

Title (en)  
TORQUE CONTROL SYSTEM

Title (de)  
DREHMOMENTSTEUERUNGSSYSTEM

Title (fr)  
SYSTÈME DE COMMANDE DE COUPLE

Publication  
**EP 2459411 A2 20120606 (EN)**

Application  
**EP 10742893 A 20100709**

Priority  
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Abstract (en)  
[origin: GB2463130A] A torque control system for a vehicle 100 having a plurality of wheels 101, wherein at least two of the wheels are arranged to be driven by separate electric motors, the system comprising a master controller 102 arranged to monitor the torque generated by at least one of the electric motors and upon a determination that the torque produced by the at least one electric motor is reduced as a result of a predetermined condition the master controller is arranged to adjust the torque generated in the at least one electric motor and/or another electric motor so that the torque generated by the at least one electric motor and the another electric motor are substantially the same. The predetermined condition may be a fault or over temperature condition. The electric motor may be an in-wheel electric motor (see fig. 2). The in-wheel electric motor may comprise a plurality of coil subsets (see fig. 4), each having an associated motor drive controller 80. Each motor drive controller acts as an inverter for its associated coil subset and may include switches such as MOSFETs or IGBTs and a processor arranged to receive a torque demand for the master controller via a CAN interface.

IPC 8 full level  
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